

AMENDMENTS TO THE CLAIMS

1. (Currently amended) An information communication device notifying a managing device of device information collected regarding a management target device by electric mail, said information communication device comprising:

an information selecting section for selecting local to the target device which of the collected device information is to be converted into mail data and which of the collected device information is to be converted into attached data; and

a transmission processing section that converts the collected device information into ~~both~~ all of (i) a header indicative of a destination and a title, (ii) attached data that is confidential information indicative of a state of the target device and (iii) mail data that is non-confidential information indicative of a state of the target device in an electric mail format, in accordance with the selection performed by the information selecting section, and, upon arrangement of the device information into the header, attached data and email data, transmits a single electric mail containing ~~both~~ all of the header, the attached data and the mail data to said managing device in a state in which ~~specific~~ attached confidential information cannot be accessed without a dedicated program used by said managing device easily;

on-going selection of information being performed by the information selecting portion provided in the device and the selected information being sent.

Claims 2 and 3 are cancelled.

4. (Previously presented) The information communication device as set forth in claim 1, wherein said transmission processing section is set so as to convert use information indicating the state of use of said management target device into attached data.

5. (Previously presented) The information communication device as set forth in claim 1, wherein said transmission processing section is set so as to transmit device information regarding a plurality of management target devices located in a predetermined area by a same electric mail.

6. (Original) The information communication device as set forth in claim 1, wherein said transmission processing section is set so as to send the electric mail transmitted to the manager, also to another destination according to a request by a user.

7. (Original) The information communication device as set forth in claim 1, wherein said transmission processing section includes an encoding section for encoding attached data, and is set so as to have the encoded attached data in an electric mail.

8. (Currently amended) A remote management system comprising:
an information communication device notifying a managing device of device information collected regarding a management target device by electric mail, said information communication device including an information selecting section for selecting local to the target device which of the collected device information is to be converted into mail data and which of the collected device information is to be converted into attached data; and a transmission processing section that converts the device information into ~~both~~ all of (i) a header indicative of a destination and a title, (ii) attached data that is confidential information indicative of a state of the target device and (iii) mail data that is non-confidential information indicative of a state of the target device in an electric mail format, in accordance with the selection performed by the information selecting section, and, upon arrangement of the device information into the header, attached data and email/mail data, transmits a single electric mail containing ~~both~~ all of the header, the attached data and the mail data to said managing device in a state in which ~~specific~~ attached confidential information cannot be accessed without a dedicated program used by said managing device easily;

on-going selection of information being performed by the information selecting portion provided in the device and the selected information being sent;

a management target device that causes said information communication device to transmit an electric mail containing device information; and

a managing device that performs remote management of said management target device, based on the device information contained in the electric mail transmitted from said information communication device.

9. (Currently amended) An information communication method for notifying a managing device of device information collected regarding a management target device by electric mail, said method comprising the steps of:

selecting local to the target device which of the collected device information is to be converted into mail data and which of the collected data is to be converted into attached data;

converting the collected device information into ~~both~~ all of (i) a header indicative of a destination and a title, (ii) attached data that is confidential information indicative of a state of the target device and (iii) mail data that is non-confidential information indicative of a state of the target device in an electric mail format, in accordance with said selecting; and

upon arrangement of the device information into the header, attached data and ~~email~~mail data, transmitting a single electric mail containing ~~both~~all of the header, the attached data and the mail data to said managing device in a state in which ~~specific~~attached confidential information cannot be accessed without a dedicated program used by said managing device~~easily~~;

on-going selection of information being performed by the information selecting portion provided in the device and the selected information being sent.

10. (Currently amended) A recording medium storing a computer program for information communication for notifying a managing device of device information collected regarding a management target device by electric mail, wherein:

said information communication includes the steps of selecting local to the target device which of the collected device information is to be converted into mail data and which of the collected information is to be converted into attached data, and converting the collected device information into ~~both~~all of (i) a header indicative of a destination and a title, (ii) attached data that is confidential information indicative of a state of the

target device and (iii) mail data that is non-confidential information indicative of a state of the target device in an electric mail format, in accordance with said selecting and, upon arrangement of the device information into the header, attached data and email data, transmitting a single electric mail containing ~~both~~ all of the header, the attached data and the mail data to the managing device in a state in which specific attached confidential information cannot be accessed without a dedicated program used by said managing device easily;

on-going selection of information being performed by the information selecting portion provided in the device and the selected information being sent.

11. (Withdrawn) An information communication device notifying a managing device of device information about a management target device by electric mail, said information communication device comprising:

an abnormality detecting section for detecting an abnormal state of said management target device;

an abnormality management table that lists abnormal states to be notified to said managing device; and

a transmission processing section that, in the case where an abnormal state detected by said abnormality detecting section is indicated in said abnormality management table, produces an abnormality report mail containing contents of the abnormal state, and transmits the abnormality report mail to said managing device.

12. (Withdrawn) The information communication device as set forth in claim 11, wherein the list in said abnormality management table is set by a user of said management target device.

13. (Withdrawn) An information communication device notifying a managing device of device information about a management target device by electric mail, said information communication device comprising:

an abnormality detecting section for detecting an abnormal state of said management target device; and

a transmission processing section that, in the case where an abnormal state of said management target device is detected by said abnormality detecting section, produces an abnormality report mail containing contents of the abnormal state, and transmits the abnormality report mail to said managing device,

wherein said transmission processing section is set so as to, in the case where an abnormal state is again detected within predetermined time since latest transmission of an abnormality report mail, refrain from another transmission of the abnormality report mail.

14. (Withdrawn) An information communication device notifying a managing device of device information about a management target device by electric mail, said information communication device comprising:

an abnormality detecting section for detecting an abnormal state of said management target device; and

a transmission processing section that, in the case where said management target device continuously remains in an abnormal state for not less than predetermined time, produces an abnormality report mail containing contents of the abnormal state, and transmits the abnormality report mail to said managing device.

15. (Withdrawn) An information communication device notifying a managing device of device information about a management target device by electric mail, said information communication device comprising:

an abnormality detecting section for detecting an abnormal state of said management target device; and

a transmission processing section that counts the number of times of occurrence of an abnormal state within predetermined time, and when judging that a frequency of occurrence of an abnormal state is not less than a predetermined value, produces an abnormality report mail containing contents of the abnormal state, and transmits the abnormality report mail to said managing device.

16. (Withdrawn) The information communication device as set forth in claim 13, wherein said transmission processing section determines contents of the abnormal state detected by said abnormality detecting section, and sets a length of said predetermined time according to the determined contents.

17. (Withdrawn) The information communication device as set forth in claim 14, wherein said transmission processing section determines contents of the abnormal state detected by said abnormality detecting section, and sets a length of said predetermined time according to the determined contents.

18. (Withdrawn) The information communication device as set forth in claim 14, wherein said transmission processing section is set so as to make the abnormality report mail contain history information of an abnormal state that has occurred within the predetermined time.

19. (Withdrawn) The information communication device as set forth in claim 15, wherein said transmission processing section is set so as to make the abnormality report mail contain history information of an abnormal state that has occurred within the predetermined time.

20. (Withdrawn) The information communication device as set forth in claim 15, wherein said transmission processing section sets the predetermined value according to contents of the abnormal state detected by said abnormality detecting section.

21. (Withdrawn) A remote management system comprising:
an information communication device notifying a managing device of device information about a management target device by electric mail, said information communication device including:
an abnormality detecting section for detecting an abnormal state of said management target device,

an abnormality management table that lists abnormal states to be notified to said managing device, and

a transmission processing section that, in the case where an abnormal state detected by said abnormality detecting section is indicated in said abnormality management table, produces an abnormality report mail containing contents of the abnormal state, and transmits the abnormality report mail to said managing device;

a management target device that causes said information communication device to transmit an electric mail containing device information; and

a managing device that performs remote management of said management target device based on the device information contained in the electric mail transmitted from said information communication device.

22. (Withdrawn) A remote management system comprising:

an information communication device notifying a managing device of device information about a management target device by electric mail, said information communication device including:

an abnormality detecting section for detecting an abnormal state of said management target device, and

a transmission processing section that, in the case where an abnormal state of said management target device is detected by said abnormality detecting section, produces an abnormality report mail containing contents of the abnormal state, and transmits the abnormality report mail to said managing device,

wherein said transmission processing section is set so as to, in the case where an abnormal state is again detected within predetermined time since latest transmission of an abnormality report mail, refrain from another transmission of the abnormality report mail;

a management target device that causes said information communication device to transmit an electric mail containing device information; and

a managing device that performs remote management of said management target device based on the device information contained in the electric mail transmitted from said information communication device.

23. (Withdrawn) A remote management system comprising:
an information communication device notifying a managing device of device information about a management target device by electric mail, said information communication device including:
an abnormality detecting section for detecting an abnormal state of said management target device, and
a transmission processing section that, in the case where said management target device continuously remains in an abnormal state for not less than predetermined time, produces an abnormality report mail containing contents of the abnormal state, and transmits the abnormality report mail to said managing device;
a management target device that causes said information communication device to transmit an electric mail containing device information; and
a managing device that performs remote management of said management target device based on the device information contained in the electric mail transmitted from said information communication device.

24. (Withdrawn) A remote management system comprising:
an information communication device notifying a managing device of device information about a management target device by electric mail, said information communication device including:
an abnormality detecting section for detecting an abnormal state of said management target device; and
a transmission processing section that counts the number of times of occurrence of an abnormal state within predetermined time, and when judging a frequency of occurrence of an abnormal state is not less than a predetermined

value, produces an abnormality report mail containing contents of the abnormal state, and transmits the abnormality report mail to said managing device;
a management target device that causes said information communication device to transmit an electric mail containing device information; and
a managing device that performs remote management of said management target device based on the device information contained in the electric mail transmitted from said information communication device.

25. (Withdrawn) An information communication method for notifying a managing device of device information about a management target device by electric mail, said information communication method comprising:

an abnormality detecting step of detecting an abnormal state of said management target device; and

a transmitting step of, in the case where an abnormal state detected in said abnormality detecting step is indicated in an abnormality management table that lists abnormal states to be notified to said managing device, producing an abnormality report mail containing contents of the abnormal state and transmitting the abnormality report mail to said managing device.

26. (Withdrawn) An information communication method for notifying a managing device of device information about a management target device by electric mail, said information communication method comprising:

an abnormality detecting step of detecting an abnormal state of said management target device; and

a transmitting step of, in the case where an abnormal state of said management target device is detected in said abnormality detecting step, producing an abnormality report mail containing contents of the abnormal state, and transmitting the abnormality report mail to said managing device,

wherein said transmitting step is set so that, in the case where an abnormal state is again detected within predetermined time since latest transmission of an abnormality report mail, another transmission of the abnormality report mail should be refrained.

27. (Withdrawn) An information communication method for notifying a managing device of device information about a management target device by electric mail, said information communication method comprising:

an abnormality detecting step of detecting an abnormal state of said management target device; and

a transmitting step of, in the case where said management target device continuously remains in an abnormal state for not less than predetermined time, producing an abnormality report mail containing contents of the abnormal state, and transmitting the abnormality report mail to said managing device.

28. (Withdrawn) An information communication method for notifying a managing device of device information about a management target device by electric mail, said information communication method comprising:

an abnormality detecting step of detecting an abnormal state of said management target device; and

a transmitting step of counting the number of times of occurrence of an abnormal state within predetermined time, and in the case where a frequency of occurrence of an abnormal state is not less than a predetermined value, producing an abnormality report mail containing contents of the abnormal state, and transmitting the abnormality report mail to said managing device.

29. (Withdrawn) A recording medium storing a computer program for information communication for notifying a managing device of device information about a management target device by electric mail, wherein said information communication includes:

an abnormality detecting step of detecting an abnormal state of said management target device; and

a transmitting step of, in the case where an abnormal state detected in said abnormality detecting step is indicated in an abnormality management table that lists abnormal states to be notified to said managing device, producing an abnormality report

mail containing contents of the abnormal state and transmitting the abnormality report mail to said managing device.

30. (Withdrawn) A recording medium storing a computer program for information communication for notifying a managing device of device information about a management target device by electric mail, wherein said information communication includes:

an abnormality detecting step of detecting an abnormal state of said management target device; and

a transmitting step of, in the case where an abnormal state of said management target device is detected in said abnormality detecting step, producing an abnormality report mail containing contents of the abnormal state, and transmitting the abnormality report mail to said managing device,

wherein said transmitting step is set so that, in the case where an abnormal state is again detected within predetermined time since latest transmission of an abnormality report mail, another transmission of the abnormality report mail should be refrained.

31. (Withdrawn) A recording medium storing a computer program for information communication for notifying a managing device of device information about a management target device by electric mail, wherein said information communication includes:

an abnormality detecting step of detecting an abnormal state of said management target device; and

a transmitting step of, in the case where said management target device continuously remains in an abnormal state for not less than predetermined time, producing an abnormality report mail containing contents of the abnormal state, and transmitting the abnormality report mail to said managing device.

32. (Withdrawn) A recording medium storing a computer program for information communication for notifying a managing device of device information about a

management target device by electric mail, wherein said information communication includes:

an abnormality detecting step of detecting an abnormal state of said management target device; and

a transmitting step of counting the number of times of occurrence of an abnormal state within predetermined time, and in the case where a frequency of occurrence of an abnormal state is not less than a predetermined value, producing an abnormality report mail containing contents of the abnormal state, and transmitting the abnormality report mail to said managing device.

33. (Previously presented) The information communication device as set forth in claim 1, wherein said attached data is produced by a dedicated program, whereby said attached data is readable only by said dedicated program.

34. (Previously presented) The information communication device as set forth in claim 1, wherein said mail data being compressed at a first rate, and attached data is compressed at a second compression rate greater than said first compression rate.

35. (Previously presented) The information communication device as set forth in claim 1, wherein the information selecting section selects, from out of the collected device information, device information that is of a confidential nature to be converted into attached data.

36. (Previously presented) The information communicating device as set forth in claim 1, wherein said information election section selecting is at the target device.

37. (Previously presented) The remote management system as set forth in claim 8, wherein said information selection section selecting is at the target device.

38. (Previously presented) The information communication method as set forth in claim 9, wherein said selecting is at the target device.

39. (Previously presented) The recording medium storing a computer program as set forth in claim 10, wherein said selecting step is at the target device.